Logon

*** It is now 11/19/2008 4:01:46 PM ***

Welcome to DialogLink - Version 5
Revolutionize the Way You Work!

New on Dialog

Order Patent and Trademark File Histories Through Dialog

Thomson File Histories are now available directly through *Dialog*. Combined with the comprehensive patent and trademark information on *Dialog*, file histories give you the most complete view of a patent or trademark and its history in one place. When searching in the following patent and trademark databases, a link to an online order form is displayed in your search results, saving you time in obtaining the file histories you need.

Thomson File Histories are available from the following *Dialog* databases:

• CLAIMS/Current Patent Legal Status (File 123)

• CLAIMS/U.S. Patents (File 340)

• Chinese Patent Abstracts in English (File 344)

• Derwent Patents Citation Index (File 342)

• Derwent World Patents Index (for users in Japan) (File 352)

• Derwent World Patents Index First View (File 331)

• Derwent World Patents Index (File 351)

• Derwent World Patents Index (File 350)

• Ei EnCompassPat (File 353)

• European Patents Fulltext (File 348)

• French Patents (File 371)

• German Patents Fulltext (File 324)

• IMS Patent Focus (File 447, 947)

• INPADOC/Family and Legal Status (File 345)

• JAPIO - Patent Abstracts of Japan (File 347)

• LitAlert (File 670)

• U.S. Patents Fulltext (1971-1975) (File 652)

- U.S. Patents Fulltext (1976-present) (File 654)

- WIPO/PCT Patents Fulltext (File 349)

- TRADEMARKSCAN - U.S. Federal (File 226)

DialogLink 5 Release Notes
New features available in the latest release of DialogLink 5 (August 2006)

- Ability to resize images for easier incorporation into DialogLink Reports

- New settings allow users to be prompted to save Dialog search sessions in the format of their choice (Microsoft Word, RTF, PDF, HTML, or TEXT)

- Ability to set up Dialog Alerts by Chemical Structures and the addition of Index Chemicus as a structure searchable database

- Support for connections to STN Germany and STN Japan services

Show Preferences for details

```
? Help Log On Msg
                *** ANNOUNCEMENTS ***
                         ***
*** Join us for Update 2008! Dialog is holding updates this fall
in several areas and would love for you to join us. Visit
www.dialog.com/events/update to register or enter HELP UPDATES
for more information.


*** "Thomson File Histories" are now available directly through Dialog
in selected patent and trademark files.  Combined with the
comprehensive patent and trademark information on Dialog, file
histories give you the most complete view of a patent or trademark
and its history in one place. When searching in one of the patent
and trademark databases, a link to an online order form is displayed
in your search results, saving you time in obtaining the file
histories you need.  See HELP FILEHIST for more information about
how to use the link and a list of files that contain the link.
```

NEW FILE

***File 651, TRADEMARKSCAN(R) - China. See HELP NEWS 651 for details.

RESUMED UPDATING

***File 523, D&B European Financial Records

                  ***

RELOADS COMPLETED

***File 227, TRADEMARKSCAN(R) - Community Trademarks

                  ***

FILES RENAMED

***File 321, PLASPEC now known as Plastic Properties Database

                  ***

FILES REMOVED

***File 601,Early Edition Canada

                  ***

>>>For the latest news about Dialog products, services, content<<<

>>>and events, please visit What's New from Dialog at   <<<

>>>http://www.dialog.com/whatsnew/. You can find news about <<<

>>>a specific database by entering HELP NEWS <file number>.   <<<

? Help Off Line

* * *

Connecting to Scott Jarrett - Dialog - 276702

Connected to Dialog via SMS002122526

? b 411

> Set Files all

> Select (load () (balanc?? or sharing)) and ((omitt?? or omission or skip??) (n2) (step?
or script? or task? or resource?)) and server not py>2002

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

```
Processing

Processing

Processing

Processing

Processing

Processing

Processing

6 databases have items, of 516 searched.
```

Hits   File   Name
1   13   BAMP 2008/Nov 18
2   15   ABI/Inform(R) 1971-2008/Nov 13
1   88   Gale Group Business A.R.T.S. 1976-2008/Nov 18
21   349   PCT FULLTEXT 1979-2008/UB=20081113|UT=20081106
1   648   TV and Radio Transcripts 1997-2008/Nov W3
32   654   US PAT.FULL. 1976-2008/NOV 13

Estimated Cost Summary

Project	Client	Charge Code	Searcher	Job	Service Code	User Number
			Scott Jarrett		51	276702
Date	Time	SessionID	Subsession	Subaccount		
11/19/2008	16:28:56	150	3			

Data Base	Dial Units	Access Charge	Print Credit	Types	Prints	Report	Rank	Links	CSS	Total
411	72.6110	213.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	213.48
Sub Totals	72.6110	$213.48	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$213.48
Session Totals	72.9790	$213.51		Telecom	$7.17					$220.68

```
Begin 13,15,88,349,648,654
```

[File 13] BAMP 2008/Nov 18
(c) 2008 Gale/Cengage. All rights reserved.
File 13: UD names were adjusted to reflect load date. All data is present.

[File 15] ABI/Inform(R) 1971-2008/Nov 13
(c) 2008 ProQuest Info&Learning. All rights reserved.

```
SELECT (load () (balanc?? or sharing)) and ((omitt?? or omission or skip??) (n2) (step?
or script? or task? or resource?)) and server not py>2002

Processing

Processing

Processing

Processing

Processing

Processing

        1339533   LOAD

        1256709   BALANC??

         404492   SHARING

          18540   LOAD(W)(BALANC?? OR SHARING)

        1261518   OMITT??

          66157   OMISSION

          91745   SKIP??

        4881775   STEP?

         176769   SCRIPT?

        1059694   TASK?

        1379049   RESOURCE?

          48390   ((OMITT?? OR OMISSION) OR SKIP??)(2N)(((STEP? OR SCRIPT?) OR TASK?) OR
RESOURCE?)

         594673   SERVER

        6736447   PY>2002

S1          58   SELECT (LOAD () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR
SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?)) AND SERVER NOT PY>2002
```

?

? rd

>>>W: Duplicate detection is not supported for File 349.

Duplicate detection is not supported for File 654.

Records from unsupported files will be retained in the RD set.

S2   58   RD   (UNIQUE ITEMS)

? Logoff Hold

Estimated Cost Summary

Project	Client	Charge Code	Searcher	Job	Service Code	User Number
			Scott Jarrett		51	276702
Date	Time	SessionID	Subsession	Subaccount		
11/19/2008	16:34:16	150	5			

Data Base	Dial Units	Access Charge	Print Credit	Types	Prints	Report	Rank	Links	CSS	Total
13	0.1380	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77
15	0.3140	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75
88	0.3630	1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65
349	1.0080	4.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.94
648	0.0260	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
654	4.1660	25.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.37
Sub Totals	6.0150	$34.51	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$34.51
Session Totals	79.3430	$255.53		Telecom	$1.39					$256.92

Holding session beginning: 11/19/2008 4:34:17 PM

Just enter a command to reestablish your session

? d s

Set   Items   Description

S1   58   SELECT (LOAD () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR
SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?)) AND SERVER NOT PY>2002

S2   58   RD   (unique items)

? s s2 and hitachi

```
        58    S2

      52994    HITACHI

S3        3    S S2 AND HITACHI


?  s s2 and partition*

>>>W:  Keyword "FROM" in invalid position

>>>E:  There is no result


?  s s2 and partition??

        58    S2

    372514    PARTITION??

S4       12    S S2 AND PARTITION??


?  t s4/ti/all
```

4/106/1 (Item 1 from file: 349)
PCT FULLTEXT

Country	Number	Kind	Date

4/106/2 (Item 2 from file: 349)
PCT FULLTEXT

Country	Number	Kind	Date

4/106/3 (Item 3 from file: 349)
PCT FULLTEXT

Country	Number	Kind	Date

4/106/4 (Item 4 from file: 349)
PCT FULLTEXT

Country	Number	Kind	Date

4/TI/5 (Item 1 from file: 654)
US PAT.FULL.

Systems and methods for resource usage accounting in
information management environments

4/TI/6 (Item 2 from file: 654)
US PAT.FULL.

Peer-to-peer caching network for user data

4/TI/7 (Item 3 from file: 654)
US PAT.FULL.

Method for automatic partitioning of node-weighted,
edge-constrained graphs

4/TI/8 (Item 4 from file: 654)

System and method for providing requested quality of service
in a hybrid network

4/TI/9 (Item 5 from file: 654)

Data transfer circuitry, DSP wrapper circuitry and improved
processor devices, methods and systems

4/TI/10 (Item 6 from file: 654)

Bus bridge device including data bus of first width for a
first processor, memory controller, arbiter circuit and second processor
having a different second data width

4/TI/11 (Item 7 from file: 654)

System, method and article of manufacture for communications
utilizing calling, plans in a hybrid network

4/TI/12 (Item 8 from file: 654)

System, method and article of manufacture with integrated
video conferencing billing in a communication system architecture

? t s4/3,k/8,7

4/3,K/8 (Item 4 from file: 654)

4622323
Utility
REASSIGNED
System and method for providing requested quality of service
in a hybrid network
Inventor: Elliott, Isaac K., Colorado Springs, CO
          Reynolds, Tim E., Iowa City, IA
          Krishnaswamy, Sridhar, Cedar Rapid, IA
Assignee: MCI Communications Corporation 02), Washington, DC
Examiner: Vu, Huy D. (Art Unit: 263)

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6335927	A	20020101	US 96751917	
19961118					

Fulltext Word Count: 125719

**IMAGE Available

Description of the Drawings:
  ...FIG. 40 is a diagrammatic representation of a web server logon
  in accordance with a preferred embodiment...

...FIG. 41 is a diagrammatic representation of a server directory
  structure used with the logon of FIG. 40 in accordance with a preferred
  embodiment...

Description of the Invention:

...The agents process the calls received by communicating with the NIDS
(Network Information Distributed Services) Server which are the
Validation or the Database Servers with the requisite databases for the
various...

...offered by ISN. Once the call is validated by processing of the call on
the server, the agent communicates the status back to the ACD 4a.
The ACD 4a in turn...

...used to communicate information to a variety of set top devices
1941-1943. A web server 1944 provides access for an order entry
system 1945 to the Internet 1910...

...include Ethernet, fast Ethernet, FDDI, ATM, and Frame Relay. These
packets go through the same steps as IP packets arriving via the
modem PPP interfaces...Call Context Server 2142--accepts network
event records and service event records in real time, and allows queries
...

...Statistics Server 2140--accepts statistics events from service
engines, performs rollups, and allows queries against the data...
...Ds 2182--Data server, one of the master copies of ISP information
...

...supported by a service engine is driven by configuration data, stored on
the ISP Data Server 2182...

...for that service engine 2134, as needed. Caching can be controlled by
the ISP database server 2182, or controlled by the database of the
ISP database server 2182. Data may be cached semi-permanently (on
disk or in memory) at a service...

...if it is deemed to be too much overhead to load data from the data
server 2182 on a frequent basis...SLEE is started on a Service
Engine 2134, it retrieves its configuration from the database
server 2182. The configuration instructs the SLEE to execute a
list of services 2200. The software...

...is not already on the Service Engine 2134, the software is retrieved
from the database server 2182. The software is executed, and
service 200 begins to run...

...a service may be cached on a service engine 2134 from the ISP 2100
database server 2182 to prevent expensive remote database lookups.
As the service executes, information may be generated...
...b) Partitions
...

...replicated copies are viewed logically as a single item. Any of these
copies may be partitioned into physical subsets so that not all
data items are necessarily at one site. However...

...Data Management policies include security, distribution, integrity
  rules, performance requirements, and control of replications and
  partitions. dbAdmin 2238 includes the physical control of data
  resources such as establishing data locations, allocating...Domain: The
  management environment may be partitioned in a number of ways such
  as functionally (fault, service . . .), geographical, organizational
  structure, etc...

  Exemplary or Independent Claim(s):
  ...transmitting the bill detail record to a call server connected
      to the hybrid network.

  Non-exemplary or Dependent Claim(s):
  ...transmitting a message to the call server with a third entry
      indicative of time of termination of the media communication...

...a call server that receives the bill detail record from each of
      said plurality of switches...

...wherein the intelligent services network further comprises a call
      server that receives the bill detail record from each of said
      plurality of switches...

4/3,K/7 (Item 3 from file: 654)
  Fulltext available through: Order File History
US PAT.FULL.
(c) Format only 2008 Dialog. All rights reserved.

4733894 **IMAGE Available
Derwent Accession: 2002-689961
Utility
REASSIGNED
E/ Method for automatic partitioning of node-weighted,
edge-constrained graphs
Inventor: Ibe, Oliver, Andover, MA
          Vaishnavi, Vick, Danville, NH
          Dev, Roger, Durham, NH
Assignee: Aprisma Management Technologies, Inc 02), Portsmouth, NH
          Aprisma Management Tech Inc
Examiner: Bayerl, Raymond J. (Art Unit: 213)
Assistant Examiner: Hailu, Tadesse
Combined Principal Attorneys: Coryea, Paul M.

	Publication			Application	Filing
	Number	Kind	Date	Number	Date
	---------------	--	--------	---------------	--------

Main Patent   US 6437804   A   20020820   US 97956831
19971023

Fulltext Word Count: 19107

**IMAGE Available

Abstract:
    ...method further includes assigning a weight to each node in the
  graph, and balancing the partitions as a function of the weight of
  each node in a respective partition.

Summary of the Invention:
    ...Soc. of Mech. Engineers, 291-307, (A. K. Noor, ed. 1986)). However,
  this method provides partitions that are worse than those of the
  spectral method. A major limitation of this method...

...i.e., reduces the size of the graph) by collapsing the nodes and edges;
  it partitions the smaller graph, and then uncoarsens it to
  construct a partition of the original graph. Unfortunately this
  method is very complicated and has not yet been...

...This means that all the nodes are essentially identical and the only
  objective is to partition the graph to generate an equal number of
  nodes in each partition. When weights are associated with either
  the nodes or the edges, none of these methods...

...with the prior art, the present invention automatically manipulates the
  nodes of a graph to partition the graph without the need for
  manually configuring each node. The present invention uses a software
  control mechanism to partition the graph and, if necessary, to re-
  partition the graph, without the need to manually intervene in the
  configuration of the network...

...assigning a weight to each node in the graph, and the partitioning step
  includes balancing partitions as a function of the weight of each
  node in a respective partition.
    ...

...In yet another embodiment of the invention, a method is provided for
  operating a partitioned communication network having a plurality
  of network devices interconnected by a plurality of communication links.
  The method comprises detecting a failure of a network device,
  automatically generating a new partition based on a topology of
  the network without the failed device and operating the communication
  network using the automatically-generated partition. The automatic
  generating step includes determining the topology of the network without
  the failed device...
...and does not respond easily to the load changes in the system. An
  automated system partitions the system into as many domains as

there are available control agents and ensures that...

...each node in the graph, and the means for partitioning includes means
for balancing the partitions as a function of the weights of each
node in a respective partition.

Description of the Drawings:
...FIG. 3A is a flow diagram of a method performed in order to
partition graphs having identified anchor nodes in accordance with
the present invention...

...FIG. 17 is a flow diagram of a process performed in order to
automatically partition graphs in accordance with a second
embodiment of the present invention...

...FIG. 18 illustrates a graph which is partitioned into two domains
...

Description of the Invention:

...Partitioning may be done to minimize the communication flow across
domains. The desired number of partitions may or may not be known
a priori and any node can be in any...

...in partitioning prior art switched networks is the same as the manual
techniques used to partition connectionless networks. This
presents a lot of problems. One problem is an assumption that the...

...communication network to provide efficient distribution and use of nodes
for an initial assignment of partitions, for recovery from failure
of a control agent, as well as other reasons apparent from...

...automatically partitioning a graph is provided. This embodiment may be
used, for example, to automatically partition nodes in a
communication network. While the following discussion is presented in the
context of...

...agent may need to be centered around its anchor node. However, a graph
may be partitioned without knowledge of the existence or location
of anchor nodes. In this case, the control agents may be assigned to
domains after the graph has been partitioned.
...
...At a step 202, this graph is automatically partitioned. Certain
embodiments of processes for automatic partitioning are described in
greater detail below...

...In one embodiment, partitioning is performed within a partitioning
engine in a Network Management Server (NMS) (the engine being
software running on a general purpose computer used by the NMS...

...its entirety. Once the topology of the network has been discovered, the network is automatically partitioned according to the present invention, at step 202...

...embodiment, each of the control agents may independently discover the network topology information and independently partition the graph. In such a situation, of course, it may be important that each control agent reach the same conclusions about how the network is partitioned into domains...

...need not) include one or more of the following parameters as desired characteristics of the partitioned graph/network...After step 202, at a step 203, the domains (partitions of the graph) are assigned to control agents. This involves informing each control agent which...

...the control agents are independently partitioning the network (each reaching the same conclusion), such a step may be omitted.
    ...

...At step 202, the graph-model of the communication network is automatically partitioned. This may be done in a variety of ways
    ...

...to the graph partitioning problem is that of finding a good starting point for the partitions. One embodiment of the present invention overcomes this problem by defining the concept of a...

...Wt/n denote the average weight of a domain in an optimally partitioned graph. Let "Min...

...This example illustrates how the invention partitions the graph of FIG. 1A. FIG. 5A shows the graph of FIG. 1 including anchor...

...Since there are three anchor nodes, 1, 6 and 11, clusters are partitioned around the anchor nodes (step 17). Supernode A is assigned to anchor node 1. This...

...which form one cluster. Since there are no uncovered nodes (step 15), the cluster is partitioned into two clusters (one for each of anchor nodes 5 and 9...nodes are uncovered (step 15). Since there are two anchor nodes, the cluster must be partitioned into two clusters (step 17). Since nodes 1 and 3 are anchor nodes, they are...

...In some cases, the graphs which are to be partitioned may include more uncovered nodes than covered nodes. In this case, the method described above...

...As explained with reference to FIG. 3B below, to partition degenerate cases, control groups are generated. Next, intra-group

connectivity is tested in order to...

...A simple way to partition the network into N_A control groups
(where N_A is the number...

...is a set of nodes under the control of one control agent or Virtual Name
Server (VNS), which is a network management server which
runs the switched network. A control group becomes a domain if a path
exists...

...of k=3 (i.e., the triple star configuration) is show in FIG. 13. The
partition rule, as described with reference to FIG. 3B, is to
assign the first set of...

...VNS may rerun the partitioning method of the present invention. Once the
network is re-partitioned into domains and control groups to
reflect the changed topography, and the server loads are balanced,
and the network is operated based on the new partitioning...

...useful when the number and location of anchor nodes is not known or when
a server which operates a domain becomes inoperable, and therefore
leaves a domain without a server or controller. It is also useful
when it becomes necessary to reassign the servers in a network, due to an
overload on a particular server or controller or to better
distribute load across a network, for example. In this embodiment, the
graph is partitioned into a number of clusters and then the number
of clusters is manipulated to match...

...described as follows with reference to FIG. 17. A preliminary phase of
the method first partitions the graph starting with the supernode
identification process outlined above. In step 310, strong and...

...starting point for partitioning the graph with no attention paid to the
weight of each partition. The domain weight balancing phase
addresses the need to ensure that all nodes are covered...

...defined for balancing of weight among domains. If all nodes are covered,
the graph is partitioned around the clusters. If the weight of
each cluster is L plus or minus t...
...lt;N_D) and all the nodes are covered, the larger clusters may be
partitioned into smaller clusters. Let N_c denote the number
of clusters in the current...as the starting point. Any other supernode
is then added to one of the two partitioned clusters if that
supernode does not share a node with any supernode in the other...

...cluster that do not have a node in common, and therefore the cluster
cannot be partitioned into two clusters, the number of clusters
remains the same, and any unassigned servers are...

...for future expansion. For example, consider the graph of FIG. 18. When
the graph is

partitioned according to the present invention, the
  graph contains two clusters ($N_c = 2$). Cluster...

...nodes 5, 6 and 7. If $N_D = 3$, an attempt is made to partition
  the clusters so that $N_c = 3$. However, in this case, neither cluster
  has...

...Therefore, neither cluster may be partioned into two separate clusters.
  In this case, the first server is assigned to cluster 1, the
  second server is assigned to cluster 2 and the third server
  is used either as a back-up for the first and second servers or is...

...graph, the graph is repartioned and, as soon as the graph is capable of
  being partitioned into three domains using the method described
  above, the third server is assigned to one of the three domains...

...nodes have the same weight. FIG. 19D is a flowchart of a method to
  automatically partition the graph of FIG. 19A. In step 120, four
  triangular supernodes are identified. These supernodes...

...and C then become clusters. Since all nodes in the cluster are covered,
  the required partition of the cluster has been produced ($N_c = N_D$) (step 186) and...

...While the network is operating, the load on each server is
  monitored by the VNS. If the load on a server exceeds a specified
  threshold, the domain in which the server is operating can be
  slightly reconfigured. The VNS instructs the overloaded server to
  give up control of one of its edge nodes to an adjacent server
  which is capable of taking on another node (e.g., has a lower load). This
  alleviates the load on the overloaded server without the need for
  completely re-partitioning the network. In the preferred embodiment of
  the invention, the load threshold is 50% of the server's capacity.
  When the VNS determines that a particular server is operating
  above 50% capacity, it initiates the node passing method described above
  to alleviate the load on the server. In the case where adjacent
  nodes are overloaded such that passing edge nodes would not solve the
  overload condition, then the VNS re-partitions the network into
  load-balanced domains...

...the preferred embodiment, the computer is part of a partitioning engine
  of a Network Management Server, as described above...

...may be applied to other media. For example, the nodes of the graph which
  is partitioned may represent components of a VLSI chip and the
  edges of the graph may represent...

Exemplary or Independent Claim(s):
1. A method for partitioning a communication network into
    partitions, the method comprising...

...and wherein the partitioning step includes a step of generating

partitions such that links identified as weak links are not
included within any one partition.

Non-exemplary or Dependent Claim(s):
2. The method of claim 1, further comprising assigning domain
     controllers to each of said partitions.
...

...3. A method for partitioning a communication network into
       partitions, the method comprising...

...partitioning step includes a step of balancing the combined weights of
       the nodes in each partition.
...

...the generating step includes the step of determining a range of
       acceptable weights for each partition.
...
...8. The method of claim 7, wherein the network is partitioned
       into domains and the partitioning step further comprises a step of
       generating the domains from...

...partitioning includes means for to balancing the combined weights of the
       nodes in each respective partition.
...

...the means for generating includes means for determining a range of
       acceptable weights for each partition.
...

...19. A method for using a computer to automatically partition a

       graph comprising a plurality of nodes interconnected by edges, the
       method comprising...

...c) forming partitions from the clusters...

...20. The method of claim 19, wherein the forming partitions step
       includes a step of forming partitions such that links
       identified as weak links are not included within any one
       partition.

? t s3/ti/all

3/TI/1 (Item 1 from file: 88)
Gale Group Business A.R.T.S.
HPFBench: A High Performance Fortran Benchmark Suite.

3/TI/2 (Item 1 from file: 654)
US PAT.FULL.

```
Data transfer circuitry, DSP wrapper circuitry and improved
processor devices, methods and systems
```


3/TI/3 (Item 2 from file: 654)
US PAT.FULL.

```
Bus bridge device including data bus of first width for a
first processor, memory controller, arbiter circuit and second processor
having a different second data width
```


? d s

Set   Items   Description

S1   58   SELECT (LOAD () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR SKIP??) (N2) (STEP?
OR SCRIPT? OR TASK? OR RESOURCE?)) AND SERVER NOT PY>2002

S2   58   RD (unique items)

S3   3   S S2 AND HITACHI

S4   12   S S2 AND PARTITION??

? b 411

Estimated Cost Summary

Project	Client	Charge Code	Searcher	Job	Service Code	User Number

						Scott Jarrett				51	276702
Date	Time	SessionID		Subsession			Subaccount				
11/19/2008	16:46:16	150		5							
Data Base	Dial Units	Access Charge	Print Credit	Types	Prints	Report	Rank	Links	CSS	Total	
13	0.1620	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	
15	0.3600	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	
88	0.4130	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	
349	1.1620	5.70	0.00	1.08	0.00	0.00	0.00	0.00	0.00	6.78	
648	0.0330	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	
654	4.9210	29.97	0.00	4.64	0.00	0.00	0.00	0.00	0.00	34.61	
Sub Totals	7.0510	$40.49	$0.00	$5.72	$0.00	$0.00	$0.00	$0.00	$0.00	$46.21	
Session Totals	80.3790	$261.51		Telecom	$4.59					$271.82	

```
> Set Files all

> Select ((server? or resource? or partition?) () (BALANC?? OR SHARING)) AND ((OMITT?? OR
OMISSION OR SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?))

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

>>>W:  I/O error in file 275

Processing

Processing

Processing

Processing

Processing

Processing
```

```
Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing
```

26 databases have items, of 516 searched.

Hits	File	Name
1	9	Business & Industry(R) Jul/1994-2008/Nov 18
6	13	BAMP 2008/Nov 18
14	15	ABI/Inform(R) 1971-2008/Nov 13
3	16	Gale Group PROMT(R) 1990-2008/Nov 10
8	47	Gale Group Magazine DB(TM) 1959-2008/Nov 03
1	80	TGG Aerospace/Def.Mkts(R) 1982-2008/Nov 05
6	88	Gale Group Business A.R.T.S. 1976-2008/Nov 18
8	148	GALE GROUP TRADE & INDUSTRY DB 1976-2008/NOV 06
6	180	Federal Register 19852008/Nov 19
7	348	EUROPEAN PATENTS 1978-200845
7	349	PCT FULLTEXT 1979-2008/UB=20081113|UT=20081106
6	484	PERIODICAL ABS PLUSTEXT 1986-2008/OCT W1
1	541	SEC Online(TM) Annual Repts 1997/Sep W3
1	635	Business Dateline(R) 1985-2008/Nov 19
1	647	UBM Computer Fulltext 1988-2008/Nov W1
63	654	US PAT.FULL. 1976-2008/NOV 13
1	774	EdgarPlus(TM)-Prospectuses 2006/Oct 03
1	775	EdgarPlus(TM)-Reg. Statements 2006/Oct 03

1	810	Business Wire 1986-1999/Feb 28
2	990	NewsRoom Current Aug 01-2008/Nov 18
2	991	NewsRoom 2008 Jan 1-2008/Jul 31
5	992	NewsRoom 2007
2	993	NewsRoom 2006
2	994	NewsRoom 2005
1	995	NewsRoom 2004
2	996	NewsRoom 2000-2003

```
Logon

*** It is now 11/19/2008 4:01:46 PM ***
```

Welcome to DialogLink - Version 5
Revolutionize the Way You Work!

New on Dialog

Order Patent and Trademark File Histories Through Dialog

Thomson File Histories are now available directly through *Dialog*. Combined with the comprehensive patent and trademark information on *Dialog*, file histories give you the most complete view of a patent or trademark and its history in one place. When searching in the following patent and trademark databases, a link to an online order form is displayed in your search results, saving you time in obtaining the file histories you need.

Thomson File Histories are available from the following *Dialog* databases:

• CLAIMS/Current Patent Legal Status (File 123)

• CLAIMS/U.S. Patents (File 340)

• Chinese Patent Abstracts in English (File 344)

• Derwent Patents Citation Index (File 342)

• Derwent World Patents Index (for users in Japan) (File 352)

• Derwent World Patents Index First View (File 331)

• Derwent World Patents Index (File 351)

• Derwent World Patents Index (File 350)

• Ei EnCompassPat (File 353)

• European Patents Fulltext (File 348)

- French Patents (File 371)

- German Patents Fulltext (File 324)

- IMS Patent Focus (File 447, 947)

- INPADOC/Family and Legal Status (File 345)

- JAPIO - Patent Abstracts of Japan (File 347)

- LitAlert (File 670)

- U.S. Patents Fulltext (1971-1975) (File 652)

- U.S. Patents Fulltext (1976-present) (File 654)

- WIPO/PCT Patents Fulltext (File 349)

- TRADEMARKSCAN - U.S. Federal (File 226)

DialogLink 5 Release Notes
New features available in the latest release of DialogLink 5 (August 2006)

- Ability to resize images for easier incorporation into DialogLink Reports

- New settings allow users to be prompted to save Dialog search sessions in the format of their choice (Microsoft Word, RTF, PDF, HTML, or TEXT)

- Ability to set up Dialog Alerts by Chemical Structures and the addition of Index Chemicus as a structure searchable database

- Support for connections to STN Germany and STN Japan services

Show Preferences for details

```
? Help Log On Msg

          *** ANNOUNCEMENTS ***

                 ***

*** Join us for Update 2008! Dialog is holding updates this fall

in several areas and would love for you to join us. Visit

www.dialog.com/events/update to register or enter HELP UPDATES

for more information.


*** "Thomson File Histories" are now available directly through Dialog
```

in selected patent and trademark files. Combined with the
comprehensive patent and trademark information on Dialog, file
histories give you the most complete view of a patent or trademark
and its history in one place. When searching in one of the patent
and trademark databases, a link to an online order form is displayed
in your search results, saving you time in obtaining the file
histories you need. See HELP FILEHIST for more information about
how to use the link and a list of files that contain the link.

NEW FILE
***File 651, TRADEMARKSCAN(R) - China. See HELP NEWS 651 for details.

RESUMED UPDATING
***File 523, D&B European Financial Records
                    ***
RELOADS COMPLETED
***File 227, TRADEMARKSCAN(R) - Community Trademarks
                    ***
FILES RENAMED
***File 321, PLASPEC now known as Plastic Properties Database
                    ***
FILES REMOVED
***File 601,Early Edition Canada
                    ***
>>>For the latest news about Dialog products, services, content<<<
>>>and events, please visit What's New from Dialog at   <<<
>>>http://www.dialog.com/whatsnew/. You can find news about <<<
>>>a specific database by entering HELP NEWS <file number>.   <<<

? Help Off Line
* * *
Connecting to Scott Jarrett - Dialog - 276702
Connected to Dialog via SMS002122526

? b 411

> Set Files all

> Select (load () (balanc?? or sharing)) and ((omitt?? or omission or skip??) (n2) (step? or script? or task? or resource?)) and server not py>2002

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

6 databases have items, of 516 searched.

Hits	File	Name
1	13	BAMP 2008/Nov 18
2	15	ABI/Inform(R) 1971-2008/Nov 13
1	88	Gale Group Business A.R.T.S. 1976-2008/Nov 18
21	349	PCT FULLTEXT 1979-2008/UB=20081113|UT=20081106
1	648	TV and Radio Transcripts 1997-2008/Nov W3
32	654	US PAT.FULL. 1976-2008/NOV 13

Estimated Cost Summary

Project	Client	Charge Code	Searcher	Job	Service Code	User Number
			Scott Jarrett		51	276702

Date	Time	SessionID	Subsession	Subaccount	
11/19/2008	16:28:56	150	3		

Data Base	Dial Units	Access Charge	Print Credit	Types	Prints	Report	Rank	Links	CSS	Total
411	72.6110	213.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	213.48
Sub Totals	72.6110	$213.48	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$213.48

Session Totals	72.9790	$213.51		Telecom	$7.17					$220.68

Begin 13,15,88,349,648,654

[File 13] BAMP 2008/Nov 18
File 13: UD names were adjusted to reflect load date. All data is present.

[File 15] ABI/Inform(R) 1971-2008/Nov 13

[File 88] Gale Group Business A.R.T.S. 1976-2008/Nov 18

[File 349] PCT FULLTEXT 1979-2008/UB=20081113|UT=20081106

[File 648] TV and Radio Transcripts 1997-2008/Nov W3

[File 654] US PAT.FULL. 1976-2008/NOV 13

```
SELECT (load () (balanc?? or sharing)) and ((omitt?? or omission or skip??) (n2) (step?
or script? or task? or resource?)) and server not py>2002
Processing
Processing
Processing
Processing
Processing
Processing
      1339533   LOAD
      1256709   BALANC??
       404492   SHARING
        18540   LOAD(W)(BALANC?? OR SHARING)
      1261518   OMITT??
        66157   OMISSION
        91745   SKIP??
      4881775   STEP?
       176769   SCRIPT?
```

```
    1059694    TASK?

    1379049    RESOURCE?

     48390     ((OMITT?? OR OMISSION) OR SKIP??)(2N)(((STEP? OR SCRIPT?) OR TASK?) OR
RESOURCE?)

     594673    SERVER

    6736447    PY>2002

S1        58    SELECT (LOAD () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR
SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?)) AND SERVER NOT PY>2002


?

?  rd

>>>W:  Duplicate detection is not supported for File 349.

Duplicate detection is not supported for File 654.

Records from unsupported files will be retained in the RD set.

S2        58    RD  (UNIQUE ITEMS)


?  Logoff Hold
```

Estimated Cost Summary

Project		Client		Charge Code		Searcher		Job		Service Code	User Number
						Scott Jarrett				51	276702
Date		Time		SessionID		Subsession		Subaccount			
11/19/2008		16:34:16		150		5					
Data Base	Dial Units	Access Charge	Print Credit	Types	Prints	Report	Rank	Links	CSS	Total	
13	0.1380	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	
15	0.3140	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	
88	0.3630	1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	
349	1.0080	4.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.94	
648	0.0260	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	
654	4.1660	25.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.37	
Sub Totals	6.0150	$34.51	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$34.51	
Session Totals	79.3430	$255.53		Telecom	$1.39					$256.92	

```
Holding session beginning:  11/19/2008 4:34:17 PM

Just enter a command to reestablish your session
```

```
? d s

Set     Items   Description

S1        58    SELECT (LOAD () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR
SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?)) AND SERVER NOT PY>2002

S2        58    RD  (unique items)


? s s2 and hitachi

          58    S2

       52994    HITACHI

S3         3    S S2 AND HITACHI


? s s2 and partition*

>>>W:  Keyword "FROM" in invalid position

>>>E:  There is no result


? s s2 and partition??

          58    S2

      372514    PARTITION??

S4        12    S S2 AND PARTITION??


? t s4/ti/all
```

4/106/1 (Item 1 from file: 349)
PCT FULLTEXT
(c) 2008 WIPO/Thomson. All rights reserved.

Country	Number	Kind	Date

4/106/2 (Item 2 from file: 349)
PCT FULLTEXT
(c) 2008 WIPO/Thomson. All rights reserved.

Country	Number	Kind	Date

4/106/3 (Item 3 from file: 349)
PCT FULLTEXT

Country	Number	Kind	Date

4/106/4 (Item 4 from file: 349)
PCT FULLTEXT

Country	Number	Kind	Date

4/TI/5 (Item 1 from file: 654)
US PAT.FULL.

```
Systems and methods for resource usage accounting in
information management environments
```

4/TI/6 (Item 2 from file: 654)
US PAT.FULL.

```
Peer-to-peer caching network for user data
```

4/TI/7 (Item 3 from file: 654)

Method for automatic partitioning of node-weighted,
edge-constrained graphs

4/TI/8 (Item 4 from file: 654)

System and method for providing requested quality of service
in a hybrid network

4/TI/9 (Item 5 from file: 654)

Data transfer circuitry, DSP wrapper circuitry and improved
processor devices, methods and systems

4/TI/10 (Item 6 from file: 654)

Bus bridge device including data bus of first width for a
first processor, memory controller, arbiter circuit and second processor
having a different second data width

4/TI/11 (Item 7 from file: 654)

System, method and article of manufacture for communications
utilizing calling, plans in a hybrid network

System, method and article of manufacture with integrated
video conferencing billing in a communication system architecture

? t s4/3,k/8,7

4/3,K/8 (Item 4 from file: 654)

4622323
Utility
REASSIGNED
System and method for providing requested quality of service
in a hybrid network
Inventor: Elliott, Isaac K., Colorado Springs, CO
         Reynolds, Tim E., Iowa City, IA
         Krishnaswamy, Sridhar, Cedar Rapid, IA
Assignee: MCI Communications Corporation 02), Washington, DC
Examiner: Vu, Huy D. (Art Unit: 263)

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6335927	A	20020101	US 96751917	19961118

Fulltext Word Count: 125719

**IMAGE Available

Description of the Drawings:
  ...FIG. 40 is a diagrammatic representation of a web server logon
  in accordance with a preferred embodiment...

...FIG. 41 is a diagrammatic representation of a server directory
  structure used with the logon of FIG. 40 in accordance with a preferred
  embodiment...

Description of the Invention:
    ...The agents process the calls received by communicating with the NIDS
  (Network Information Distributed Services) Server which are the
  Validation or the Database Servers with the requisite databases for the
  various...

...offered by ISN. Once the call is validated by processing of the call on
  the server, the agent communicates the status back to the ACD 4a.
  The ACD 4a in turn...

...used to communicate information to a variety of set top devices
  1941-1943. A web server 1944 provides access for an order entry
  system 1945 to the Internet 1910...

...include Ethernet, fast Ethernet, FDDI, ATM, and Frame Relay. These
  packets go through the same steps as IP packets arriving via the
  modem PPP interfaces...Call Context Server 2142--accepts network
  event records and service event records in real time, and allows queries
  ...

...Statistics Server 2140--accepts statistics events from service
  engines, performs rollups, and allows queries against the data...
...Ds 2182--Data server, one of the master copies of ISP information
  ...

...supported by a service engine is driven by configuration data, stored on
  the ISP Data Server 2182...

...for that service engine 2134, as needed. Caching can be controlled by
  the ISP database server 2182, or controlled by the database of the
  ISP database server 2182. Data may be cached semi-permanently (on
  disk or in memory) at a service...

...if it is deemed to be too much overhead to load data from the data
  server 2182 on a frequent basis...SLEE is started on a Service
  Engine 2134, it retrieves its configuration from the database
  server 2182. The configuration instructs the SLEE to execute a
  list of services 2200. The software...

...is not already on the Service Engine 2134, the software is retrieved
  from the database server 2182. The software is executed, and

service 200 begins to run...

...a service may be cached on a service engine 2134 from the ISP 2100
  database server 2182 to prevent expensive remote database lookups.
  As the service executes, information may be generated...
...b) Partitions
    ...

...replicated copies are viewed logically as a single item. Any of these
  copies may be partitioned into physical subsets so that not all
  data items are necessarily at one site. However...

...Data Management policies include security, distribution, integrity
  rules, performance requirements, and control of replications and
  partitions. dbAdmin 2238 includes the physical control of data
  resources such as establishing data locations, allocating...Domain: The
  management environment may be partitioned in a number of ways such
  as functionally (fault, service . . .), geographical, organizational
  structure, etc...

  Exemplary or Independent Claim(s):
  ...transmitting the bill detail record to a call server connected
      to the hybrid network.

  Non-exemplary or Dependent Claim(s):
  ...transmitting a message to the call server with a third entry
      indicative of time of termination of the media communication...

...a call server that receives the bill detail record from each of
      said plurality of switches...

...wherein the intelligent services network further comprises a call
      server that receives the bill detail record from each of said
      plurality of switches...

4/3,K/7 (Item 3 from file: 654)
  Fulltext available through: Order File History
US PAT.FULL.

4733894 **IMAGE Available
Derwent Accession: 2002-689961
Utility
REASSIGNED
E/ Method for automatic partitioning of node-weighted,
edge-constrained graphs

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6437804	A	20020820	US 97956831	19971023

Fulltext Word Count: 19107

**IMAGE Available

Abstract:
    ...method further includes assigning a weight to each node in the
  graph, and balancing the partitions as a function of the weight of
  each node in a respective partition.

Summary of the Invention:
    ...Soc. of Mech. Engineers, 291-307, (A. K. Noor, ed. 1986)). However,
  this method provides partitions that are worse than those of the
  spectral method. A major limitation of this method...

...i.e., reduces the size of the graph) by collapsing the nodes and edges;
  it partitions the smaller graph, and then uncoarsens it to
  construct a partition of the original graph. Unfortunately this
  method is very complicated and has not yet been...

...This means that all the nodes are essentially identical and the only
  objective is to partition the graph to generate an equal number of
  nodes in each partition. When weights are associated with either
  the nodes or the edges, none of these methods...

...with the prior art, the present invention automatically manipulates the
  nodes of a graph to partition the graph without the need for
  manually configuring each node. The present invention uses a software
  control mechanism to partition the graph and, if necessary, to re-
  partition the graph, without the need to manually intervene in the
  configuration of the network...

...assigning a weight to each node in the graph, and the partitioning step
  includes balancing partitions as a function of the weight of each
  node in a respective partition.
    ...

...In yet another embodiment of the invention, a method is provided for
operating a partitioned communication network having a plurality
of network devices interconnected by a plurality of communication links.
The method comprises detecting a failure of a network device,
automatically generating a new partition based on a topology of
the network without the failed device and operating the communication
network using the automatically-generated partition. The automatic
generating step includes determining the topology of the network without
the failed device...

...and does not respond easily to the load changes in the system. An
automated system partitions the system into as many domains as
there are available control agents and ensures that...

...each node in the graph, and the means for partitioning includes means
for balancing the partitions as a function of the weights of each
node in a respective partition.

Description of the Drawings:
...FIG. 3A is a flow diagram of a method performed in order to
partition graphs having identified anchor nodes in accordance with
the present invention...

...FIG. 17 is a flow diagram of a process performed in order to
automatically partition graphs in accordance with a second
embodiment of the present invention...

...FIG. 18 illustrates a graph which is partitioned into two domains
...

Description of the Invention:

...Partitioning may be done to minimize the communication flow across
domains. The desired number of partitions may or may not be known
a priori and any node can be in any...

...in partitioning prior art switched networks is the same as the manual
techniques used to partition connectionless networks. This
presents a lot of problems. One problem is an assumption that the...

...communication network to provide efficient distribution and use of nodes
for an initial assignment of partitions, for recovery from failure
of a control agent, as well as other reasons apparent from...

...automatically partitioning a graph is provided. This embodiment may be
used, for example, to automatically partition nodes in a
communication network. While the following discussion is presented in the
context of...

...agent may need to be centered around its anchor node. However, a graph

may be partitioned without knowledge of the existence or location of anchor nodes. In this case, the control agents may be assigned to domains after the graph has been partitioned.

...

...At a step 202, this graph is automatically partitioned. Certain embodiments of processes for automatic partitioning are described in greater detail below...

...In one embodiment, partitioning is performed within a partitioning engine in a Network Management Server (NMS) (the engine being software running on a general purpose computer used by the NMS...

...its entirety. Once the topology of the network has been discovered, the network is automatically partitioned according to the present invention, at step 202...

...embodiment, each of the control agents may independently discover the network topology information and independently partition the graph. In such a situation, of course, it may be important that each control agent reach the same conclusions about how the network is partitioned into domains...

...need not) include one or more of the following parameters as desired characteristics of the partitioned graph/network...After step 202, at a step 203, the domains (partitions of the graph) are assigned to control agents. This involves informing each control agent which...

...the control agents are independently partitioning the network (each reaching the same conclusion), such a step may be omitted.

...

...At step 202, the graph-model of the communication network is automatically partitioned. This may be done in a variety of ways

...

...to the graph partitioning problem is that of finding a good starting point for the partitions. One embodiment of the present invention overcomes this problem by defining the concept of a...

...Wt/n denote the average weight of a domain in an optimally partitioned graph. Let "Min...

...This example illustrates how the invention partitions the graph of FIG. 1A. FIG. 5A shows the graph of FIG. 1 including anchor...

...Since there are three anchor nodes, 1, 6 and 11, clusters are partitioned around the anchor nodes (step 17). Supernode A is assigned to anchor node 1. This...

...which form one cluster. Since there are no uncovered nodes (step 15),
the cluster is partitioned into two clusters (one for each of
anchor nodes 5 and 9...nodes are uncovered (step 15). Since there are two
anchor nodes, the cluster must be partitioned into two clusters
(step 17). Since nodes 1 and 3 are anchor nodes, they are...

...In some cases, the graphs which are to be partitioned may include
more uncovered nodes than covered nodes. In this case, the method
described above...

...As explained with reference to FIG. 3B below, to partition
degenerate cases, control groups are generated. Next, intra-group
connectivity is tested in order to...

...A simple way to partition the network into N[sub]A control groups
(where N[sub]A is the number...

...is a set of nodes under the control of one control agent or Virtual Name
Server (VNS), which is a network management server which
runs the switched network. A control group becomes a domain if a path
exists...

...of k=3 (i.e., the triple star configuration) is show in FIG. 13. The
partition rule, as described with reference to FIG. 3B, is to
assign the first set of...

...VNS may rerun the partitioning method of the present invention. Once the
network is re-partitioned into domains and control groups to
reflect the changed topography, and the server loads are balanced,
and the network is operated based on the new partitioning...

...useful when the number and location of anchor nodes is not known or when
a server which operates a domain becomes inoperable, and therefore
leaves a domain without a server or controller. It is also useful
when it becomes necessary to reassign the servers in a network, due to an
overload on a particular server or controller or to better
distribute load across a network, for example. In this embodiment, the
graph is partitioned into a number of clusters and then the number
of clusters is manipulated to match...

...described as follows with reference to FIG. 17. A preliminary phase of
the method first partitions the graph starting with the supernode
identification process outlined above. In step 310, strong and...

...starting point for partitioning the graph with no attention paid to the
weight of each partition. The domain weight balancing phase
addresses the need to ensure that all nodes are covered...

...defined for balancing of weight among domains. If all nodes are covered,
the graph is partitioned around the clusters. If the weight of
each cluster is L plus or minus t...

...lt;N[sub]D) and all the nodes are covered, the larger clusters may be
   partitioned into smaller clusters. Let N[sub]c denote the number
   of clusters in the current...as the starting point. Any other supernode
   is then added to one of the two partitioned clusters if that
   supernode does not share a node with any supernode in the other...

...cluster that do not have a node in common, and therefore the cluster
   cannot be partitioned into two clusters, the number of clusters
   remains the same, and any unassigned servers are...

...for future expansion. For example, consider the graph of FIG. 18. When
   the graph is

partitioned according to the present invention, the
   graph contains two clusters (N[sub]c =2). Cluster...

...nodes 5, 6 and 7. If N[sub]D =3, an attempt is made to partition
   the clusters so that N[sub]c =3. However, in this case, neither cluster
   has...

...Therefore, neither cluster may be partioned into two separate clusters.
   In this case, the first server is assigned to cluster 1, the
   second server is assigned to cluster 2 and the third server
   is used either as a back-up for the first and second servers or is...

...graph, the graph is repartioned and, as soon as the graph is capable of
   being partitioned into three domains using the method described
   above, the third server is assigned to one of the three domains...

...nodes have the same weight. FIG. 19D is a flowchart of a method to
   automatically partition the graph of FIG. 19A. In step 120, four
   triangular supernodes are identified. These supernodes...

...and C then become clusters. Since all nodes in the cluster are covered,
   the required partition of the cluster has been produced (N[sub]c
   =N[sub]D) (step 186) and...

...While the network is operating, the load on each server is
   monitored by the VNS. If the load on a server exceeds a specified
   threshold, the domain in which the server is operating can be
   slightly reconfigured. The VNS instructs the overloaded server to
   give up control of one of its edge nodes to an adjacent server
   which is capable of taking on another node (e.g., has a lower load). This
   alleviates the load on the overloaded server without the need for
   completely re-partitioning the network. In the preferred embodiment of
   the invention, the load threshold is 50% of the server's capacity.
   When the VNS determines that a particular server is operating
   above 50% capacity, it initiates the node passing method described above
   to alleviate the load on the server. In the case where adjacent
   nodes are overloaded such that passing edge nodes would not solve the
   overload condition, then the VNS re-partitions the network into
   load-balanced domains...

...the preferred embodiment, the computer is part of a partitioning engine
  of a Network Management Server, as described above...

...may be applied to other media. For example, the nodes of the graph which
  is partitioned may represent components of a VLSI chip and the
  edges of the graph may represent...

  Exemplary or Independent Claim(s):
  1. A method for partitioning a communication network into
      partitions, the method comprising...

...and wherein the partitioning step includes a step of generating
      partitions such that links identified as weak links are not
      included within any one partition.

  Non-exemplary or Dependent Claim(s):
  2. The method of claim 1, further comprising assigning domain
      controllers to each of said partitions.
  ...

...3. A method for partitioning a communication network into
      partitions, the method comprising...

...partitioning step includes a step of balancing the combined weights of
      the nodes in each partition.
  ...

...the generating step includes the step of determining a range of
      acceptable weights for each partition.
  ...
...8. The method of claim 7, wherein the network is partitioned
      into domains and the partitioning step further comprises a step of
      generating the domains from...

...partitioning includes means for to balancing the combined weights of the
      nodes in each respective partition.
  ...

...the means for generating includes means for determining a range of
      acceptable weights for each partition.
  ...

...19. A method for using a computer to automatically partition a

      graph comprising a plurality of nodes interconnected by edges, the
      method comprising...

...c) forming partitions from the clusters...

...20. The method of claim 19, wherein the forming partitions step

```
        includes a step of forming partitions such that links
        identified as weak links are not included within any one
        partition.
```

```
?  t s3/ti/all
```

3/TI/1 (Item 1 from file: 88)
Gale Group Business A.R.T.S.
HPFBench: A High Performance Fortran Benchmark Suite.

3/TI/2 (Item 1 from file: 654)
US PAT.FULL.

```
Data transfer circuitry, DSP wrapper circuitry and improved
processor devices, methods and systems
```

3/TI/3 (Item 2 from file: 654)
US PAT.FULL.

```
Bus bridge device including data bus of first width for a
first processor, memory controller, arbiter circuit and second processor
having a different second data width
```

? d s

Set   Items   Description

S1   58   SELECT (LOAD () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR SKIP??) (N2) (STEP?
OR SCRIPT? OR TASK? OR RESOURCE?)) AND SERVER NOT PY>2002

S2   58 RD (unique items)

S3   3 S S2 AND HITACHI

S4   12 S S2 AND PARTITION??

? b 411

Estimated Cost Summary

Project		Client		Charge Code		Searcher		Job		Service Code	User Number
						Scott Jarrett				51	276702
Date		Time		SessionID		Subsession		Subaccount			
11/19/2008		16:46:16		150		5					
Data Base	Dial Units	Access Charge	Print Credit	Types	Prints	Report	Rank	Links	CSS	Total	
13	0.1620	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	
15	0.3600	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	
88	0.4130	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	
349	1.1620	5.70	0.00	1.08	0.00	0.00	0.00	0.00	0.00	6.78	
648	0.0330	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	
654	4.9210	29.97	0.00	4.64	0.00	0.00	0.00	0.00	0.00	34.61	
Sub Totals	7.0510	$40.49	$0.00	$5.72	$0.00	$0.00	$0.00	$0.00	$0.00	$46.21	
Session Totals	80.3790	$261.51		Telecom	$4.59					$271.82	

> Set Files all

> Select ((server? or resource? or partition?) () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?))

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

>>>W: I/O error in file 275

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

26 databases have items, of 516 searched.

Hits	File	Name
1	9	Business & Industry(R) Jul/1994-2008/Nov 18
6	13	BAMP 2008/Nov 18
14	15	ABI/Inform(R) 1971-2008/Nov 13
3	16	Gale Group PROMT(R) 1990-2008/Nov 10
8	47	Gale Group Magazine DB(TM) 1959-2008/Nov 03
1	80	TGG Aerospace/Def.Mkts(R) 1982-2008/Nov 05
6	88	Gale Group Business A.R.T.S. 1976-2008/Nov 18
8	148	GALE GROUP TRADE & INDUSTRY DB 1976-2008/NOV 06
6	180	Federal Register 19852008/Nov 19

7	348	EUROPEAN PATENTS_1978-200845
7	349	PCT FULLTEXT_1979-2008/UB=20081113|UT=20081106
6	484	PERIODICAL ABS PLUSTEXT_1986-2008/OCT W1
1	541	SEC Online(TM) Annual Repts_1997/Sep W3
1	635	Business Dateline(R)_1985-2008/Nov 19
1	647	UBM Computer Fulltext_1988-2008/Nov W1
63	654	US PAT.FULL._1976-2008/NOV 13
1	774	EdgarPlus(TM)-Prospectuses_2006/Oct 03
1	775	EdgarPlus(TM)-Reg. Statements_2006/Oct 03
1	810	Business Wire_1986-1999/Feb 28
2	990	NewsRoom Current_Aug 01-2008/Nov 18
2	991	NewsRoom 2008_Jan 1-2008/Jul 31
5	992	NewsRoom 2007
2	993	NewsRoom 2006
2	994	NewsRoom 2005
1	995	NewsRoom 2004
2	996	NewsRoom 2000-2003

```
Begin
9,13,15,16,47,80,88,148,180,348,349,484,541,635,647,654,774,775,810,990,991,992,993,994,9
95,996
```

[File 9] Business & Industry(R) Jul/1994-2008/Nov 18
(c) 2008 Gale/Cengage. All rights reserved.
*File 9: UD names were adjusted to reflect load date. All data is present.

[File 13] BAMP 2008/Nov 18
(c) 2008 Gale/Cengage. All rights reserved.
*File 13: UD names were adjusted to reflect load date. All data is present.

[File 15] ABI/Inform(R) 1971-2008/Nov 13
(c) 2008 ProQuest Info&Learning. All rights reserved.

[File 16] Gale Group PROMT(R) 1990-2008/Nov 10
(c) 2008 Gale/Cengage. All rights reserved.
*File 16: Because of updating irregularities, the banner and the update (UD=) may vary.

[File 47] Gale Group Magazine DB(TM) 1959-2008/Nov 03
(c) 2008 Gale/Cengage. All rights reserved.

[File 80] TGG Aerospace/Def.Mkts(R) 1982-2008/Nov 05
(c) 2008 Gale/Cengage. All rights reserved.

[File 88] Gale Group Business A.R.T.S. 1976-2008/Nov 18
(c) 2008 Gale/Cengage. All rights reserved.

[File 148] GALE GROUP TRADE & INDUSTRY DB 1976-2008/NOV 06
(c) 2008 GALE/CENGAGE. All rights reserved.
*File 148: The CURRENT feature is not working in File 148. See HELP NEWS148.

[File 180] Federal Register 19852008/Nov 19
(c) 2008 format only DIALOG. All rights reserved.

[File 348] EUROPEAN PATENTS 1978-200845
(c) 2008 European Patent Office. All rights reserved.

[File 349] PCT FULLTEXT 1979-2008/UB=20081113|UT=20081106
(c) 2008 WIPO/Thomson. All rights reserved.

[File 484] PERIODICAL ABS PLUSTEXT 1986-2008/OCT W1
(c) 2008 PROQUEST. All rights reserved.

[File 541] SEC Online(TM) Annual Repts 1997/Sep W3
(c) 1987-1997 SEC Online Inc. All rights reserved.
*File 541: This file is closed.

[File 635] Business Dateline(R) 1985-2008/Nov 19
(c) 2008 ProQuest Info&Learning. All rights reserved.

[File 647] UBM Computer Fulltext 1988-2008/Nov W1
(c) 2008 UBM, LLC. All rights reserved.

[File 654] US PAT.FULL. 1976-2008/NOV 13
(c) Format only 2008 Dialog. All rights reserved.

[File 774] EdgarPlus(TM)-Prospectuses 2006/Oct 03
(c) 2006 Disclosure Inc. All rights reserved.
*File 774: File 774 is closed (no longer updating).

[File 775] EdgarPlus(TM)-Reg. Statements 2006/Oct 03
(c) 2006 Disclosure Inc. All rights reserved.
*File 775: File 775 is closed (no longer updating).

[File 810] Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire . All rights reserved.

[File 990] NewsRoom Current Aug 01-2008/Nov 18
(c) 2008 Dialog. All rights reserved.

[File 991] NewsRoom 2008 Jan 1-2008/Jul 31
(c) 2008 Dialog. All rights reserved.

[File 992] NewsRoom 2007
(c) 2008 Dialog. All rights reserved.

[File 993] NewsRoom 2006
(c) 2008 Dialog. All rights reserved.

[File 994] NewsRoom 2005
(c) 2008 Dialog. All rights reserved.

[File 995] NewsRoom 2004
(c) 2008 Dialog. All rights reserved.

SELECT ((server? or resource? or partition?) () (BALANC?? OR SHARING)) AND ((OMITT?? OR
OMISSION OR SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?))

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

```
     3201116   SERVER?

    15850002   RESOURCE?

      740450   PARTITION?

     9891306   BALANC??

     3120526   SHARING

       25467   ((SERVER? OR RESOURCE?) OR PARTITION?)(W)(BALANC?? OR SHARING)

     4128979   OMITT??

      316001   OMISSION

      756942   SKIP??

    26255920   STEP?

     1486659   SCRIPT?

     6434559   TASK?

    15850002   RESOURCE?
```

```
        79840   ((OMITT?? OR OMISSION) OR SKIP??)(2N)(((STEP? OR SCRIPT?) OR TASK?) OR
RESOURCE?)

S1       158   SELECT ((SERVER? OR RESOURCE? OR PARTITION?) () (BALANC?? OR SHARING))
AND ((OMITT?? OR OMISSION OR SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?))


?

? rd

>>>W:  Duplicate detection is not supported for File 348.

Duplicate detection is not supported for File 349.

Duplicate detection is not supported for File 541.

Duplicate detection is not supported for File 654.

Records from unsupported files will be retained in the RD set.

S2       134   RD  (UNIQUE ITEMS)


? s s2 and hitachi

        134   S2

     379325   HITACHI

S3        0   S S2 AND HITACHI


? s s2 and schedul??

Processing

        134   S2

   15416808   SCHEDUL??

S4       71   S S2 AND SCHEDUL??


? s s2 and slo?

Processing

Processing

Processing

        134   S2

   17607650   SLO?

S5       77   S S2 AND SLO?


? s s5 and s4

        77   S5
```

```
              71    S4
S6            52    S S5 AND S4


?  t s6/ti/all

>>>W:  No matching display code(s) found in file(s):
```

6/TI/1 (Item 1 from file: 13)
BAMP
Channel-aware earliest deadline due fair scheduling for wireless multimedia networks.

6/TI/2 (Item 1 from file: 15)
ABI/Inform(R)
Testing common assumptions about resource sharing

6/TI/3 (Item 2 from file: 15)
ABI/Inform(R)
Product-market strategy and performance: An analysis of the Miles and Snow strategy types

6/TI/4 (Item 3 from file: 15)
ABI/Inform(R)
Structure and perceived effectiveness of software development subunits: A task contingency analysis

6/TI/5 (Item 1 from file: 47)
Gale Group Magazine DB(TM)
THE STATUS OF LIBRARY AUTOMATION AT 2000.(Statistical Data Included)

6/TI/6 (Item 2 from file: 47)
Gale Group Magazine DB(TM)
AVAILABILITY AND COST OF WEB-BASED BIBLIOGRAPHIC SEARCH SERVICES.(World Wide

Web)

6/TI/7 (Item 1 from file: 88)
Gale Group Business A.R.T.S.
A formalism to structure and parallelize the integration of cooperative engineering design tasks.

6/TI/8 (Item 1 from file: 180)
Federal Register
Medicare Program; Changes to the Hospital Inpatient Prospective Payment Systems and Fiscal Year 2009 Rates; Payments for Graduate Medical Education in Certain Emergency Situations; Changes to Disclosure of Physician Ownership in Hospitals and Physician Self-Referral Rules; Updates to the Long-Term Care Prospective Payment System; Updates to Certain IPPS-Excluded Hospitals; and Collection of Information Regarding Financial Relationships Between Hospitals

6/TI/9 (Item 2 from file: 180)
Federal Register
Fiscal Year 2008 SuperNOFA for HUD's Discretionary Programs

6/TI/10 (Item 3 from file: 180)
Federal Register
Preventing Undue Discrimination and Preference in Transmission Service

6/TI/11 (Item 4 from file: 180)
Federal Register
Fiscal Year 2007 SuperNOFA for HUD's Discretionary Programs

6/TI/12 (Item 5 from file: 180)
Federal Register

6/TI/13 (Item 6 from file: 180)
Federal Register
(c) 2008 format only DIALOG. All rights reserved.
Notice of HUD's Fiscal Year 2005 Notice of Funding Availability Policy Requirements and General Section to the SuperNOFA for HUD's Discretionary Programs

6/106/14 (Item 1 from file: 348)
EUROPEAN PATENTS
(c) 2008 European Patent Office. All rights reserved.

PEER-TO-PEER NETWORKS
PEER-TO-PEER-NETZE
RESEAUX POINT-A-POINT

Country	Number	Kind	Date		
Type		Pub. Date		Kind	Text
Available Text		Language		Update	Word Count
Total Word Count (Document A)					
Total Word Count (Document B)					
Total Word Count (All Documents)					

6/106/15 (Item 2 from file: 348)
EUROPEAN PATENTS
(c) 2008 European Patent Office. All rights reserved.

Burst-level resource allocation in cellular systems
Ressourcenzuweisung auf Burstebene in zellularen Systemen
Allocation de ressources en mode rafale dans des systemes cellulaires

Country	Number	Kind	Date		
Type		Pub. Date		Kind	Text
Available Text		Language		Update	Word Count
Total Word Count (Document A)					
Total Word Count (Document B)					
Total Word Count (All Documents)					

6/106/16 (Item 1 from file: 349)
PCT FULLTEXT

Country	Number	Kind	Date

6/106/17 (Item 2 from file: 349)
PCT FULLTEXT

Country	Number	Kind	Date

6/106/18 (Item 3 from file: 349)
PCT FULLTEXT

Country	Number	Kind	Date

6/TI/19 (Item 1 from file: 654)
US PAT.FULL.

```
Method and System for Automatic Generation of Processor
Datapaths
```

6/TI/20 (Item 2 from file: 654)

Consistent set of interfaces derived from a business object
model

6/TI/21 (Item 3 from file: 654)

System and method for providing requested quality of service
in a hybrid network

6/TI/22 (Item 4 from file: 654)

Peer-To-Peer Networks

6/TI/23 (Item 5 from file: 654)

Methods and apparatus for supporting quality of service in
communication systems

6/TI/24 (Item 6 from file: 654)

Double-proxy remote data access system

6/TI/25 (Item 7 from file: 654)
US PAT.FULL.

INFORMATION PLAYBACK SYSTEM USING INFORMATION STORAGE MEDIUM

6/TI/26 (Item 8 from file: 654)
US PAT.FULL.

INFORMATION STORAGE MEDIUM, INFORMATION REPRODUCING APPARATUS,
AND INFORMATION REPRODUCING METHOD

6/TI/27 (Item 9 from file: 654)
US PAT.FULL.

INFORMATION STORAGE MEDIUM, INFORMATION REPRODUCING APPARATUS,
AND INFORMATION REPRODUCING METHOD

6/TI/28 (Item 10 from file: 654)
US PAT.FULL.

Distributed image processing for medical images

6/TI/29 (Item 11 from file: 654)
US PAT.FULL.

Double-proxy remote data access system

6/TI/30 (Item 12 from file: 654)
US PAT.FULL.

Methods and systems for determining and selling outcomes for
slot machine games to be viewed remotely

6/TI/31 (Item 13 from file: 654)
US PAT.FULL.

File system with access and retrieval of XML documents

6/TI/32 (Item 14 from file: 654)
US PAT.FULL.

Facilitating guidance provision for an architectural
exploration based design creation process

6/TI/33 (Item 15 from file: 654)
US PAT.FULL.

```
Virtual file-sharing network
```


6/TI/34 (Item 16 from file: 654)
US PAT.FULL.

```
File system with access and retrieval of XML documents
```


6/TI/35 (Item 17 from file: 654)
US PAT.FULL.

```
Method and apparatus for browsing using multiple coordinated
device sets
```


6/TI/36 (Item 18 from file: 654)
US PAT.FULL.

```
Burst-level resource allocation in cellular systems
```


6/TI/37 (Item 19 from file: 654)
US PAT.FULL.

System and method for providing requested quality of service
in a hybrid network

6/TI/38 (Item 20 from file: 654)
US PAT.FULL.

Electronic design creation through architectural exploration

6/TI/39 (Item 21 from file: 654)
US PAT.FULL.

Generating candidate architectures for an architectural
exploration based electronic design creation process

6/TI/40 (Item 22 from file: 654)
US PAT.FULL.

System, method and article of manufacture for communications
utilizing calling, plans in a hybrid network

6/TI/41 (Item 23 from file: 654)
US PAT.FULL.

System, method and article of manufacture with integrated
video conferencing billing in a communication system architecture

6/TI/42 (Item 24 from file: 654)
US PAT.FULL.

```
Full duplex single clip video codec
```

6/TI/43 (Item 25 from file: 654)
US PAT.FULL.

```
Automated telephone voice service system
```

6/TI/44 (Item 26 from file: 654)
US PAT.FULL.

```
Control system for a stored program multiprocessor computer
```

6/TI/46 (Item 1 from file: 990)
NewsRoom Current
Medicare Program: Changes to the Hospital Inpatient Prospective Payment Systems and Fiscal Year 2009 Rates; Payments for Graduate Medical Education in Certain Emergency Situations

6/TI/47 (Item 2 from file: 990)
NewsRoom Current

Medicare Program; Changes to the Hospital Inpatient Prospective Payment Systems and Fiscal Year 2009 Rates; Payments for Graduate Medical Education in Certain Emergency Situations; Changes to Disclosure of Physician Ownership in Hospitals and Physician Self-Referral Rules; Updates to the Long-Term Care Prospective Payment System; Updates to Certain IPPS-Excluded Hospitals; and Collection of Information Regarding Financial Relationships Between Hospitals

6/TI/48 (Item 1 from file: 991)
NewsRoom 2008
Fiscal Year 2008 SuperNOFA for HUD's Discretionary Programs

6/TI/49 (Item 1 from file: 992)
NewsRoom 2007
Medical Services Policy Manual

6/TI/50 (Item 2 from file: 992)
NewsRoom 2007
Make operating appropriations for the biennium.

6/TI/51 (Item 3 from file: 992)
NewsRoom 2007
Preventing Undue Discrimination and Preference in Transmission Service

6/TI/52 (Item 1 from file: 993)
NewsRoom 2006
Budget Bill. additional appropriations for 2004-2006 biennium.

```
>>>W:  No matching display code(s) found in file(s):
```

6/TI/52 (Item 1 from file: 993)
NewsRoom 2006
Budget Bill. additional appropriations for 2004-2006 biennium.

?